



SEQUENCE LISTING

<110> Amylin Pharmaceuticals, Inc.
Kolterman, Orville G.
Young, Andrew A.
Rink, Timothy J.
Brown, Kathleen A. K.

<120> Methods for Regulating Postprandial Blood Glucose (Amended)

<130> 254/057CON

<140> US 10/643,681
<141> 2003-08-18

<150> US 09/576,062
<151> 2000-05-22

<150> US 08/302,069
<151> 1994-09-07

<150> US 08/118,381
<151> 1993-09-07

<160> 49

<170> PatentIn version 3.3

<210> 1
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 1

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 2
<211> 24
<212> PRT
<213> Artificial

<220>
<223> Synthetic peptide construct

<400> 2

Leu Gly Arg Leu Ser Gln Glu Leu His Arg Leu Gln Thr Tyr Pro Arg
1 5 10 15

Thr Asn Thr Gly Ser Asn Thr Tyr
20

<210> 3
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 3

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 4
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 4

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 5
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 5

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 6
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 6

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

His Arg Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 7
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 7

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 8
<211> 37
<212> PRT
<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 8

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 9

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 9

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

Arg Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Ser Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 10

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 10

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Ser Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 11

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 11

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr

35

<210> 12

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 12

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr

35

<210> 13

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 13

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

His Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr

35

<210> 14
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 14

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 15
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 15

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 16
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 16

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 17
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 17

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile His Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 18
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 18

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 19
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 19

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Ile
1 5 10 15

His Ser Ser Asn Asn Leu Gly Pro Ile Leu Pro Pro Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 20
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 20

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 21
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 21

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Ala Val Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 22
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 22

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 23
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 23

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Thr Asn Phe Leu
1 5 10 15

Val His Ser Ser His Asn Leu Gly Ala Ala Leu Leu Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 24
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 24

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Thr Asn Phe Leu
1 5 10 15

Val His Ser Ser His Asn Leu Gly Ala Ala Leu Ser Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 25
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 25

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Thr Asn Phe Leu Val
1 5 10 15

His Ser Ser His Asn Leu Gly Ala Ala Leu Pro Ser Thr Asp Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 26

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 26

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Thr Asn Phe Leu
1 5 10 15

Val Arg Ser Ser His Asn Leu Gly Ala Ala Leu Ser Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 27

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 27

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Thr Asn Phe Leu
1 5 10 15

Val Arg Ser Ser His Asn Leu Gly Ala Ile Leu Pro Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 28

<211> 37

<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 28

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Thr Asn Phe Leu
1 5 10 15

Val Arg Ser Ser His Asn Leu Gly Pro Ala Leu Pro Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 29
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 29

Val Leu Asn Lys Leu Ser Gln Glu Leu His Lys Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Thr Gly Ser Asn Thr Tyr
20 25

<210> 30
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 30

Val Leu Gly Lys Leu Ser Gln Glu Leu His Lys Leu Gln Thr Tyr Pro
1 5 10 15

Arg Thr Asn Thr Gly Ser Gly Thr Pro
20 25

<210> 31
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

```
<220>
<221> MISC_FEATURE
<222> (1)
<223> Lys, Ala, Ser, acetylated Lys, or hydrogen

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (13)
<223> Ala, Ser, or Thr

<220>
<221> MISC_FEATURE
<222> (17)
<223> Val, Leu, or Ile

<220>
<221> MISC_FEATURE
<222> (18)
<223> His or Arg

<220>
<221> MISC_FEATURE
<222> (19)
<223> Ser or Thr

<220>
<221> MISC_FEATURE
<222> (20)
<223> Ser, Thr, Gln, or Asn

<220>
<221> MISC_FEATURE
<222> (21)
<223> Asn, Gln, or His

<220>
<221> MISC_FEATURE
<222> (23)
<223> Phe, Leu, or Tyr

<220>
<221> MISC_FEATURE
<222> (25)
<223> Ala, or Pro

<220>
```

<221> MISC_FEATURE
<222> (26)
<223> Ile, Val, Ala, or Leu

<220>
<221> MISC_FEATURE
<222> (28)
<223> Ser, Pro, Leu, Ile, or Thr

<220>
<221> MISC_FEATURE
<222> (29)
<223> Ser, Pro, or Thr

<220>
<221> MISC_FEATURE
<222> (31)
<223> Asn, Asp, or Gln

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage,

<220>
<221> MISC_FEATURE
<223> c-term may be hydroxy, amino, alkylamino, dialkylamino, cycloalkylamino, arylamino, aralkylamino, alkyloxy, aryloxy or aralkyloxy

<400> 31

Xaa Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Xaa Asn Phe Leu
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Xaa Xaa Leu Xaa Xaa Thr Xaa Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 32
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (2)..(7)
<223> 2,7-Cyclo bridge

<400> 32

Lys Asp Asn Thr Ala Thr Lys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 33

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 33

Ala Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 34

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<400> 34

Ser Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 35

<211> 37

<212> PRT

<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 35

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 36
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 36

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 37
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 37

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

His Ser Ser Asn Asn Phe Gly Pro Ile Leu Pro Ser Thr Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 38
<211> 36

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<400> 38

Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu Val
1 5 10 15

His Ser Ser Asn Asn Phe Gly Pro Val Leu Pro Pro Ser Asn Val Gly
20 25 30

Ser Asn Thr Tyr
35

<210> 39
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (11)
<223> Arg is a D amino residue

<400> 39

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 40
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (1)
<223> Lys, Ala, Ser, or hydrogen

```
<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (13)
<223> Ala, Ser, or Thr

<220>
<221> MISC_FEATURE
<222> (17)
<223> Val, Leu, or Ile

<220>
<221> MISC_FEATURE
<222> (18)
<223> His or Arg

<220>
<221> MISC_FEATURE
<222> (19)
<223> Ser or Thr

<220>
<221> MISC_FEATURE
<222> (20)
<223> Ser, Thr, Gln, or Asn

<220>
<221> MISC_FEATURE
<222> (21)
<223> Asn, Gln, or His

<220>
<221> MISC_FEATURE
<222> (23)
<223> Phe, Leu, or Tyr

<220>
<221> MISC_FEATURE
<222> (26)
<223> Ile, Val, Ala, or Leu

<220>
<221> MISC_FEATURE
<222> (29)
<223> Ser, Pro, or Thr

<220>
<221> MISC_FEATURE
```

<222> (31)
<223> Asn, Asp, or Gln

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<220>
<221> MISC_FEATURE
<223> c-term may be amino, alkylamino, dialkylamino, cycloalkylamino, arylamino, aralkylamino, alkyloxy, aryloxy, or aralkyloxy

<400> 40

Xaa Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Xaa Asn Phe Leu
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Pro Xaa Leu Pro Xaa Thr Xaa Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 41
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<400> 41

Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val
20 25 30

<210> 42
<211> 37
<212> PRT
<213> Artificial Séquence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (1)
<223> Lys, Ala, Ser, or hydrogen

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (13)
<223> Ala, Ser, or Thr

<220>
<221> MISC_FEATURE
<222> (17)
<223> Val, Leu, or Ile

<220>
<221> MISC_FEATURE
<222> (18)
<223> His or Arg

<220>
<221> MISC_FEATURE
<222> (19)
<223> Ser or Thr

<220>
<221> MISC_FEATURE
<222> (20)
<223> Ser, Thr, Gln, or Asn

<220>
<221> MISC_FEATURE
<222> (21)
<223> Asn, Gln, or His

```

<220>
<221> MISC_FEATURE
<222> (23)
<223> Phe, Leu, or Tyr

<220>
<221> MISC_FEATURE
<222> (26)
<223> Ile, Val, Ala, or Leu

<220>
<221> MISC_FEATURE
<222> (28)
<223> Ser, Pro, Leu, Ile, or Thr

<220>
<221> MISC_FEATURE
<222> (31)
<223> Asn, Asp, or Gln

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side
      chains which are chemically bonded to each other to form an
      intramolecular linkage

<220>
<221> MISC_FEATURE
<223> c-term may be amino, alkylamino, dialkylamino, cycloalkylamino,
      arylamino, aralkylamino, alkyloxy, aryloxy, or aralkyloxy

<400> 42

Xaa Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Xaa Asn Phe Leu
1           5           10           15

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Pro Xaa Leu Xaa Pro Thr Xaa Val
20          25          30

Gly Ser Asn Thr Tyr
35

<210> 43
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

```

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<400> 43

Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Asn Asn Leu Gly Pro Val Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 44
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (1)
<223> Lys, Ala, Ser, or hydrogen

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (13)
<223> Ala, Ser, or Thr

<220>
<221> MISC_FEATURE
<222> (17)
<223> Val, Leu, or Ile

<220>

<221> MISC_FEATURE
<222> (18)
<223> His or Arg

<220>
<221> MISC_FEATURE
<222> (19)
<223> Ser or Thr

<220>
<221> MISC_FEATURE
<222> (20)
<223> Ser, Thr, Gln, or Asn

<220>
<221> MISC_FEATURE
<222> (21)
<223> Asn, Gln, or His

<220>
<221> MISC_FEATURE
<222> (23)
<223> Phe, Leu, or Tyr

<220>
<221> MISC_FEATURE
<222> (25)
<223> Ala or Pro

<220>
<221> MISC_FEATURE
<222> (26)
<223> Ile, Val, Ala, or Leu

<220>
<221> MISC_FEATURE
<222> (31)
<223> Asn, Asp, or Gln

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<220>
<221> MISC_FEATURE
<223> c-term may be amino, alkylamino, dialkylamino, cycloalkylamino, arylamino, aralkylamino, alkyloxy, aryloxy, or aralkyloxy

<400> 44

Xaa Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Xaa Asn Phe Leu
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Xaa Xaa Leu Pro Pro Thr Xaa Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 45
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> Lys, Ala, Ser, or hydrogen

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (13)
<223> Ala, Ser, or Thr

<220>
<221> MISC_FEATURE
<222> (17)
<223> Val, Leu, or Ile

<220>
<221> MISC_FEATURE
<222> (18)
<223> His or Arg

<220>
<221> MISC_FEATURE
<222> (19)
<223> Ser or Thr

<220>
<221> MISC_FEATURE
<222> (20)
<223> Ser, Thr, Gln, or Asn

<220>

<221> MISC_FEATURE
<222> (21)
<223> Asn, Gln, or His

<220>
<221> MISC_FEATURE
<222> (23)
<223> Phe, Leu, or Tyr

<220>
<221> MISC_FEATURE
<222> (26)
<223> Ile, Val, Ala, or Leu

<220>
<221> MISC_FEATURE
<222> (31)
<223> Asn, Asp, or Gln

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<220>
<221> MISC_FEATURE
<223> c-term may be amino, alkylamino, dialkylamino, cycloalkylamino, arylamino, aralkylamino, alkyloxy, aryloxy, or aralkyloxy

<400> 45

Xaa Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Xaa Asn Phe Leu
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Asn Xaa Gly Pro Xaa Leu Pro Pro Thr Xaa Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 46
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE

<222> (7)

<223> Variable amino acid

<220>

<221> MISC_FEATURE

<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<400> 46

Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 47

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic peptide construct

<220>

<221> MISC_FEATURE

<222> (2)

<223> Variable amino acid

<220>

<221> MISC_FEATURE

<222> (7)

<223> Variable amino acid

<220>

<221> MISC_FEATURE

<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<400> 47

Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Ile Arg Ser Ser Asn Asn Leu Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 48
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side chains which are chemically bonded to each other to form an intramolecular linkage

<400> 48

Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Ala Asn Phe Leu
1 5 10 15

Val Arg Thr Ser Asn Asn Leu Gly Ala Ile Leu Ser Pro Thr Asn Val
20 25 30

Gly Ser Asn Thr Tyr
35

<210> 49
<211> 37
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide construct

<220>
<221> MISC_FEATURE
<222> (2)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<222> (7)
<223> Variable amino acid

<220>
<221> MISC_FEATURE
<223> residues 2 and 7 are independently selected residues having side

chains which are chemically bonded to each other to form an intramolecular linkage

<400> 49

Lys Xaa Asn Thr Ala Thr Xaa Ala Thr Gln Arg Leu Thr Asn Phe Leu
1 5 10 15

Val Arg Ser Ser His Asn Leu Gly Ala Ala Leu Leu Pro Thr Asp Val
20 25 30

Gly Ser Asn Thr Tyr
35